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**40.—TONNAGE OF VESSELS OF THE UNITED STATES EMPLOYED IN THE WHALE, COD, AND MACKEREL FISHERIES, FROM 1860 TO 1882, INCLUSIVE.**

By CHAS. W. SMILEY.

[From figures contained in the annual reports of the Register of the Treasury.]

Year ending June 30.—	Whale fisheries.	Cod fisheries.	Mackerel fisheries.	Total.
	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>
1860.....	166,841	136,653	20,111	323,605
1861.....	145,734	137,846	54,795	338,375
1862.....	117,714	133,601	80,596	331,911
1863.....	99,228	117,290	51,019	267,537
1864.....	95,145	103,742	55,499	254,386
1865*.....	90,516	65,185	41,209	196,910
1866*.....	105,170	51,642	46,589	203,401
1867.....	52,384	44,567	31,498	128,449
1868.....	71,843	83,887		155,230
1869.....	70,202	62,704		132,906
1870.....	67,954	91,460		159,414
1871.....	61,490	92,865		154,355
1872.....	51,608	97,545		149,155
1873.....	44,755	109,519		154,274
1874.....	99,108	78,290		117,398
1875.....	38,229	80,207		118,436
1876.....	39,116	87,802		126,918
1877.....	40,593	91,085		131,678
1878.....	89,700	86,547		126,247
1879.....	40,028	79,865		119,913
1880.....	38,408	77,538		115,946
1881.....	38,551	76,137		114,688
1882.....	32,802	77,863		110,665

\* The tonnage for 1865 and 1866 is partly by new measurement and partly by old.

NOTE.—The mackerel licenses have not been issued separately since 1867, when a general fishing license was provided to replace cod and mackerel fisheries.

**41.—STATISTICS OF THE IMPORTS AND EXPORTS OF FISH, FISH-OIL, WHALEBONE, ETC., FOR TEN YEARS ENDING JUNE 30, 1882.**

By CHAS. W. SMILEY.

The following tables have been prepared from the annual reports of the Bureau of Statistics of the Treasury Department, and are based on the custom-house returns.

Attention may be called to the importation duty free of 109,737,420 pounds of fresh fish, valued at \$3,242,566. Nearly all of this came from Canada under the treaty of Washington.

The exports have constantly increased in quantity and value, due doubtless in some degree to the successful participation of the United States in the international fishery exhibitions held in Europe.

I.—Quantities of fish and oil imported into the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>I.—FREE OF DUTY.</b>											
Fish, not of American fisheries:											
Fresh, of all kinds..... pounds..	8, 636, 279	9, 587, 595	15, 308, 769	10, 723, 216	7, 735, 981	9, 681, 828	8, 432, 835	10, 761, 307	12, 975, 761	15, 893, 849	109, 737, 420
Herring, pickled..... barrels..		51, 423	70, 763	87, 554	63, 280	58, 082	55, 732	46, 723	64, 811	76, 136	574, 504
Mackerel, pickled..... barrels..		89, 503	77, 479	76, 531	43, 066	102, 148	101, 420	112, 468	120, 288	58, 279	781, 182
Oils:											
Whale or fish, not of American fisheries..... gallons..		165, 448	277, 739	103, 184	138, 708	311, 091	182, 625	407, 416	568, 660	337, 076	2, 491, 947
<b>II.—DUTIABLE.</b>											
Fish, not of American fisheries:											
Herring..... barrels..	68, 692	31, 128	21, 581	17, 268	14, 873	15, 542	18, 950	26, 168	30, 987	36, 061	281, 250
Mackorel..... barrels..	90, 889	190	59	7	14	6	2	.....	9	164	91, 340
Oils:											
Whale and fish, not of American fisheries..... gallons..	223, 612	226, 528	115, 084	102, 888	51, 882	85, 509	61, 509	92, 819	146, 410	209, 051	1, 315, 287

II.—Values of the fish and oil imported into the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>I.—FREE OF DUTY.</b>											
Fish, not of American fisheries:											
Fresh, of all kinds .....	\$278,921	\$294,837	\$351,889	\$271,597	\$236,098	\$339,561	\$283,827	\$320,403	\$376,508	\$488,925	\$3,242,566
Herring, pickled .....	(a)	181,521	288,590	306,555	210,786	230,533	192,069	154,003	236,403	265,797	2,066,257
Mackerel, pickled .....	(a)	800,920	584,283	695,412	372,260	907,246	649,721	493,059	614,729	396,149	5,513,779
All other not elsewhere specified ..	(b)	553,949	928,344	501,154	581,592	637,437	763,915	912,336	1,088,336	1,366,963	7,334,026
Oils:											
Whale or fish, not of American fisheries .....	(b)	91,944	161,289	62,438	84,088	176,384	80,701	170,525	293,600	158,878	1,279,847
Total .....	278,921	1,923,171	2,314,395	1,837,156	1,484,824	2,291,161	1,970,233	2,050,326	2,609,576	2,676,712	19,436,475
<b>II.—DUTIABLE.</b>											
Fish, not of American fisheries:											
Herring, pickled .....	359,262	253,044	226,494	186,535	189,615	180,840	189,204	283,407	290,073	375,617	2,539,091
Mackerel, pickled .....	610,457	1,550	553	48	148	67	14	.....	97	1,179	614,113
Sardines and anchovies preserved in oil or otherwise .....	1,172,704	991,030	526,179	595,901	773,331	677,910	912,391	1,102,410	987,394	860,760	8,600,010
All other not elsewhere specified ..	663,913	131,676	102,283	96,046	91,654	149,852	118,050	132,684	142,158	294,406	1,922,922
Oils:											
Whale and fish, not of American fisheries .....	106,294	121,927	70,404	63,286	44,015	56,616	45,903	55,133	82,584	103,020	749,182
Total .....	2,912,630	1,499,227	925,913	941,816	1,098,763	1,065,285	1,265,562	1,578,634	1,502,306	1,635,182	14,425,318

a Included in dutiable, "Fish, other." b Included in dutiable, same class.

III.—Quantities of fish, oils, spermaceti, and whalebone exported from the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>Fish:</b>											
Dried or smoked .....	118,076	129,982	129,752	175,528	159,648	188,831	179,130	197,450	212,691	159,512	1,650,600
Pickled .....	16,747	29,000	51,025	54,291	76,227	57,554	47,764	54,345	52,092	38,224	477,269
<b>Oils:</b>											
Whale and other fish ..	gallons	288,263	573,775	895,907	1,067,515	1,026,038	904,988	2,236,265	1,022,889	597,812	9,697,377
Sperm .....	gallons	756,306	529,903	491,130	892,762	634,991	723,398	812,928	482,153	314,568	6,178,203
Spermaceti .....	pounds.	197,671	304,865	238,641	141,157	153,552	228,276	147,503	197,847	214,205	2,089,310
Whalebone .....	pounds.	324,653	114,530	251,572	154,500	71,708	154,016	78,322	131,332	227,117	1,728,537

## IV.—Values of fish, oils, spermaceti, and whalebone exported from the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>Fish:</b>											
Fresh.....	\$64, 577	\$56, 974	\$69, 448	\$80, 879	\$114, 338	\$84, 278	\$80, 437	\$124, 962	\$97, 539	\$89, 148	\$862, 580
Dried and smoked.....	569, 151	612, 589	710, 121	900, 306	791, 785	766, 154	748, 747	739, 231	840, 199	635, 155	7, 313, 438
Pickled.....	109, 201	226, 041	359, 069	417, 281	486, 738	416, 162	290, 862	284, 293	264, 723	244, 454	3, 099, 424
Other cured.....	677, 171	1, 128, 208	1, 855, 550	2, 102, 522	2, 486, 225	3, 198, 896	2, 939, 587	2, 326, 444	2, 803, 330	3, 218, 581	22, 736, 514
<b>Oils:</b>											
Whale and other fish.....	154, 243	280, 750	413, 411	436, 072	442, 165	411, 808	756, 248	349, 109	229, 726	420, 730	3, 894, 262
Sperm.....	1, 095, 831	827, 991	847, 014	1, 366, 246	879, 865	801, 218	719, 831	487, 004	303, 113	551, 212	7, 879, 325
<b>Spermaceti.....</b>	55, 815	78, 346	61, 725	35, 915	41, 027	58, 302	35, 489	45, 018	40, 945	48, 721	501, 303
<b>Whalebone.....</b>	329, 214	115, 098	291, 165	215, 327	160, 666	264, 980	199, 753	255, 847	326, 400	325, 333	2, 483, 783
<b>Total.....</b>	<b>3, 055, 203</b>	<b>3, 325, 997</b>	<b>4, 608, 103</b>	<b>5, 554, 548</b>	<b>5, 402, 809</b>	<b>6, 001, 798</b>	<b>5, 770, 954</b>	<b>4, 611, 908</b>	<b>4, 905, 975</b>	<b>5, 533, 334</b>	<b>48, 770, 629</b>

## V.—Quantities of foreign fish and oils exported from the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>I.—FREE OF DUTY.</b>											
<b>Fish, not of American fisheries:</b>											
Fresh, of all kinds..... pounds.....			66, 728								66, 728
Herring, pickled..... barrels.....	(a).	233	2, 318	2, 885	1, 903	21			624	101	8, 085
Mackerel, pickled..... barrels.....	(a).	35	1, 300	885		356	171	272	842	60	3, 921
<b>Oils:</b>											
Whale or fish, not of American fisheries..... gallons.....	(a).				43, 103	379, 570			880	10, 794	434, 347
<b>II.—DUTIABLE.</b>											
<b>Fish, not of American fisheries:</b>											
Herring..... barrels.....	19, 928	4, 271	43		2						24, 244
Mackerel..... barrels.....	36, 146	5, 334									41, 480
<b>Oils:</b>											
Whale or fish, not of American fisheries..... gallons.....	35, 016	73, 429	29, 246	52, 736	1, 705	8, 800	5, 245	602	7, 939	11, 580	48

a. Included in dutiable, same class.

VI.—Values of foreign fish and oil exported from the United States during the ten years ending June 30, 1882.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	Total.
<b>I.—FREE OF DUTY.</b>											
Fish, not of American fisheries:											
Fresh, of all kinds.....			\$3, 895								\$3, 895
Herring, pickled.....	(a).	\$1, 157	11, 576	\$13, 305	\$9, 088	\$71			\$1, 770	\$381	37, 348
Mackerel, pickled.....	(a).	358	10, 254	4, 515		2, 279	\$684	\$1, 260	3, 889	360	23, 599
All other not elsewhere specified..	(a).	29, 411	133, 620	39, 618	32, 120	76, 144	206, 440	188, 265	59, 501	53, 644	818, 763
Oils:											
Whale or fish, not of American fisheries.....	(a).				26, 669	217, 562			475	4, 715	249, 421
Total.....		30, 926	159, 345	57, 438	67, 877	296, 056	207, 124	189, 525	65, 635	59, 100	1, 133, 026
<b>II.—DUTIABLE.</b>											
Fish, not of American fisheries:											
Herring, pickled.....	\$81, 775	16, 650	146		22						98, 593
Mackerel, pickled.....	178, 328	29, 429									207, 757
Sardines and anchovies preserved in oil or otherwise.....	45, 452	59, 796	23, 296	19, 667	24, 780	30, 455	29, 149	36, 000	45, 839	47, 833	362, 287
All other not elsewhere specified..	213, 534	35, 803	23, 433	55, 905	135, 854	116, 266	54, 954	13, 632	69, 063	212, 620	931, 064
Oils:											
Whale or fish, not of American fisheries.....	25, 601	34, 196	11, 246	20, 842	794	8, 058	2, 363	331	3, 334	8, 848	115, 243
Total.....	544, 690	175, 874	58, 111	96, 054	161, 450	154, 779	86, 466	49, 963	118, 236	269, 301	1, 714, 924

a. Included in dutiable, same class.